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transforming multi-channel frequency signals on

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1. [PDF] \*EP001579599B1\*

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by NXP Semiconductors

algorithms, depending on the **working status** of **mobile terminals** and configuration of .... A **mobile terminal** with multi-antenna based on **CDMA**, comprising: ... **frequency signal** processing modules (201202), for **transforming multi-channel ... multi-channel radio frequency signals to multi-channel baseband signals**; ...

<https://data.epo.org/publication-server/pdf-document?PN...IDocId...>

2. [PDF] Multichannel Baseband Processor for Wideband CDMA

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flexible **baseband** digital **signal** processing architectures char- ... timing and **frequency** control, multipath searching, and so ... the different **channel information** in and out of the physi- ..... A fast Walsh-Hadamard **transform** (FHT) of size 32 is the ..... combining in DS-**CDMA mobile** radio," IEICE Transactions ...

<downloads.hindawi.com/journals/asp/2005/359615.pdf>

3. WiMAX - Wikipedia, the free encyclopedia

Scaling of the Fast Fourier **transform** (FFT) to the **channel** bandwidth in order to ... That is, when the bursts have a high **signal** strength and a carrier to noise ... SS/MS: the Subscriber Station/**Mobile** Station; ASN: the Access Service ..... **Multi-Carrier and Spread Spectrum Systems: From OFDM and MC-CDMA to LTE and ...**

[en.wikipedia.org/wiki/WiMAX](http://en.wikipedia.org/wiki/WiMAX) - Cached - Similar

4. OFDM as a modulation technique for wireless communications, with a ...

In an ideal radio channel, the received **signal** would consist of only a single direct .... **frequency** bands and is used as part of most **multi-channel** systems. .... The forward link, from the base station to the **mobile**, of a **CDMA** system can .... The **signal** generated is at **base-band**

and so to generate an RF **signal** the ...

[www.skydsp.com/publications/4thyrthesis/chapter1.htm](http://www.skydsp.com/publications/4thyrthesis/chapter1.htm) - Cached - Similar

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by A Cavallini - 1997 - Cited by 33 - Related articles

Rician **frequency**–flat-fading **channel** is assumed, with Gaussian ... the major issues in the transmission of **CDMA signals** in **mobile** radio networks is the presence of a time-varying ... shift or to the instability of user **terminal** oscillators. The ... effect of a residual **frequency** offset in the **baseband**-converted ...

[ieeexplore.ieee.org/iel1/26/12705/00585921.pdf](http://ieeexplore.ieee.org/iel1/26/12705/00585921.pdf)

6. [PDF] Code Division Multiple Access (CDMA)

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This **signal** is real so it only goes out on the **channel**, ... This **information** allows the **mobile** to know where to search for the pilots in the ...

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for W-**CDMA mobile terminals** is proposed. Based on the ... ?hihis **work** was supported by the UCSD Center for Wireless .... up-convert the IF **signal** to any desired **channel frequency**. .... the Laplace **transform** of the triangular pulse  $h_c(t)$  can be ... compensate for the in-**channel** distortion of the **baseband signals**. ...

[citeseerx.ist.psu.edu/viewdoc/download?doi=10.1.1.89...](http://citeseerx.ist.psu.edu/viewdoc/download?doi=10.1.1.89...) - Similar

8. Channel estimation and tracking for MC-CDMA signals

by L. Sanguinetti - 2004 - Cited by 14 - Related articles

ever, **signals** undergo **frequency**-selective fading and the .... Thus, the  $k$ -th **baseband channel** impulse response (CIR) ..... Kaiser S. **Multi-Carrier CDMA Mobile** Radio Systems—Analysis ... 2002, he has been with the Department of **Information** Engineering of the University of Pisa, where he is **working** toward the Ph.D. ...

[www3.interscience.wiley.com/journal/108567525/articletext?DOI=10...](http://www3.interscience.wiley.com/journal/108567525/articletext?DOI=10...)

9. [PDF] Parameter Controlled Software Defined Radio

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The **baseband signal** processing of a Digital Radio ... A **Multi Channel** System that supports two or more ... The channel access mode is **CDMA** and CRC, ... The main processing modules of an SDR **terminal** are the radio **frequency** (RF) unit, the analog-to-digital ... **signal** processor should **work** at the minimum possible ...

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10. 2 GHz W-CDMA Radio Transceiver

Design and Simulation of **Multi-Frequency** Global Navigation Satellite ..... The focus of this **work** is on the radio portion, while the **baseband** ... The lower band (A) carries **information** from the **mobile terminals** to the base stations. .... W-**CDMA** specifies 5MHz **channel** bandwidth and 4.997MHz spread **signal** bandwidth. ...

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